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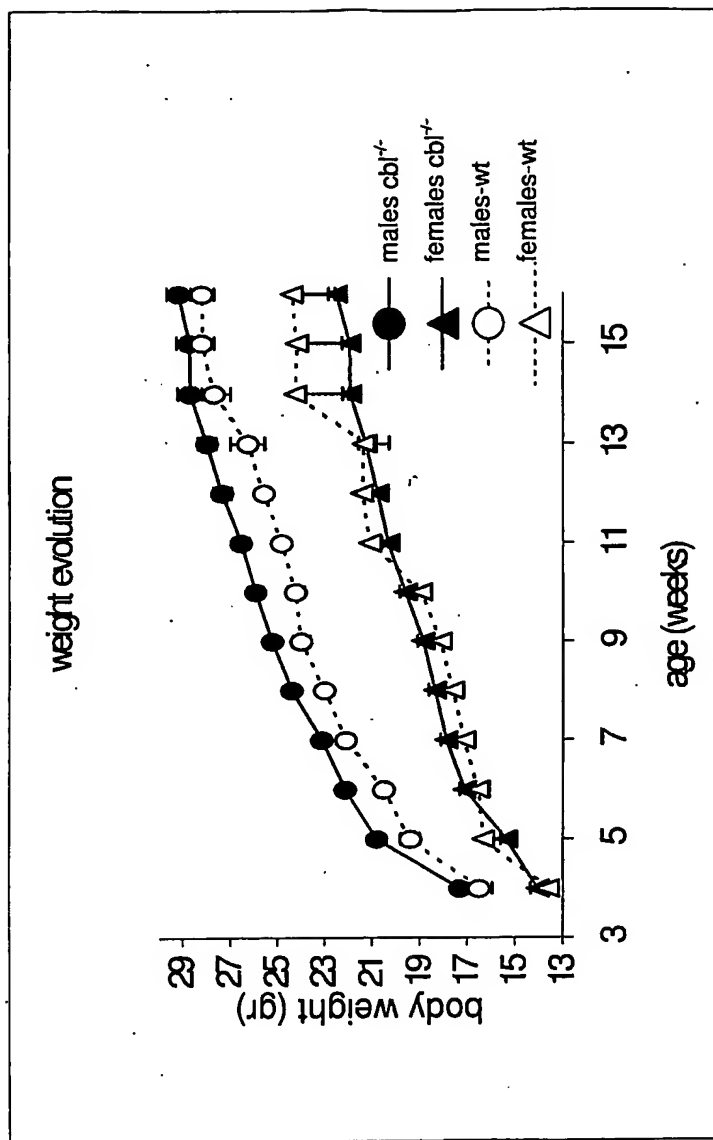


FIGURE 1

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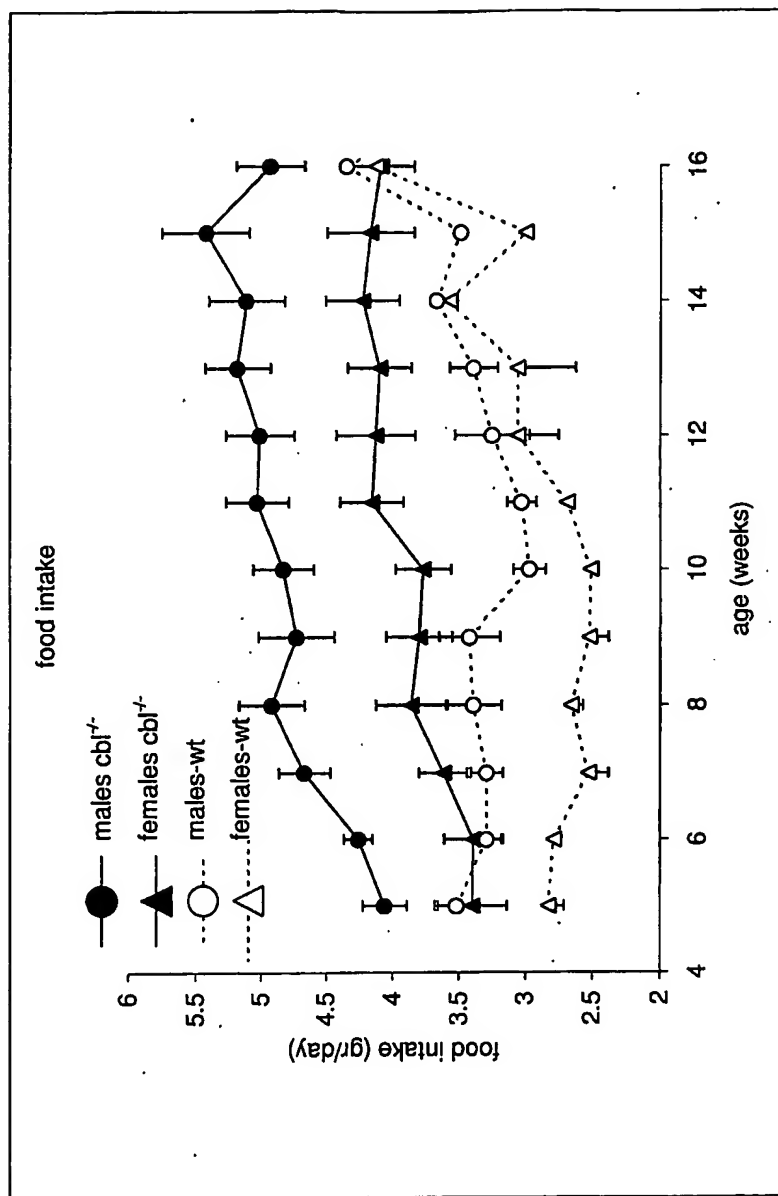


FIGURE 2

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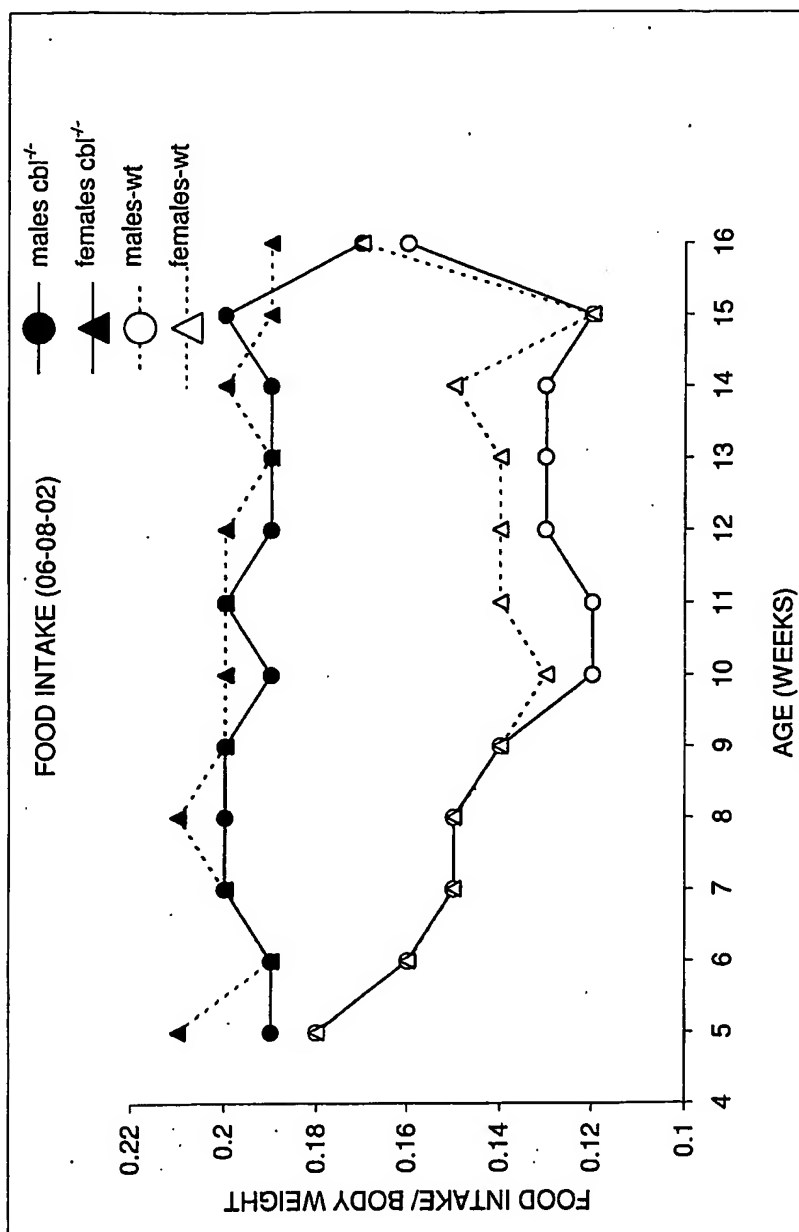


FIGURE 3

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TISSUE WEIGHT

Wild Type

AVG	30.4	0.543	0.141	0.204	100	1.79	0.46	0.67
SEM	0.54	0.129	0.002	0.011		0.46	0.01	0.02
	BW	WAT	BAT	QUAD	BW	WAT	BAT	QUAD

Cbl-deficient

AVG	30.00	0.226	0.073	0.206	100.00	0.75	0.24	0.69
SEM	0.95	0.021	0.005	0.013		0.07	0.01	0.04
	BW	WAT	BAT	QUAD	BW	WAT	BAT	QUAD

FIGURE 4

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Wild Type



Cbl-deficient

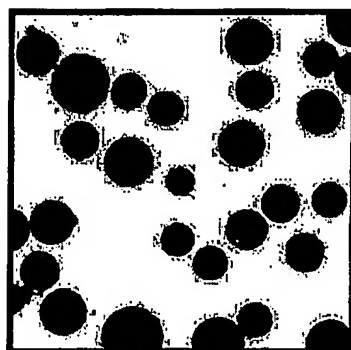


FIGURE 5

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ADIPOCYTE SIZE MALES

	diameter (μm)		VOLUME (pl/cell)		Lipid content (ng/cell)	
	AVG	SEM	AVG	SEM	AVG	SEM
WT	84.91	1.57	240.28	4.45	219.86	4.07
KO	49.44	0.90	82.43	1.25	75.42	1.14
KO 500	56.82	1.23	72	1.56	65.88	1.43

ADIPOCYTE SIZE FEMALES

	diameter (μm)		VOLUME (pl/cell)		Lipid content (ng/cell)	
	AVG	SEM	AVG	SEM	AVG	SEM
WT	80.48	2.32	204.6	5.9	187.3	5.4
KO	55.21	1.77	66.05	2.12	60.92	1.96

FIGURE 6

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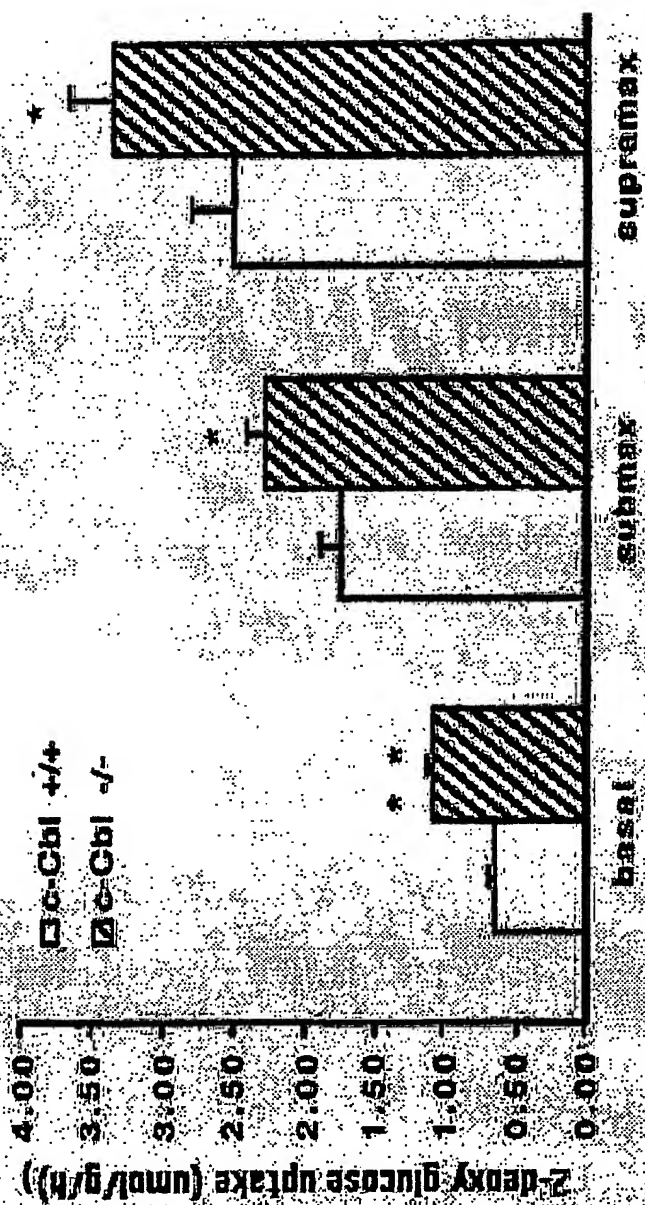
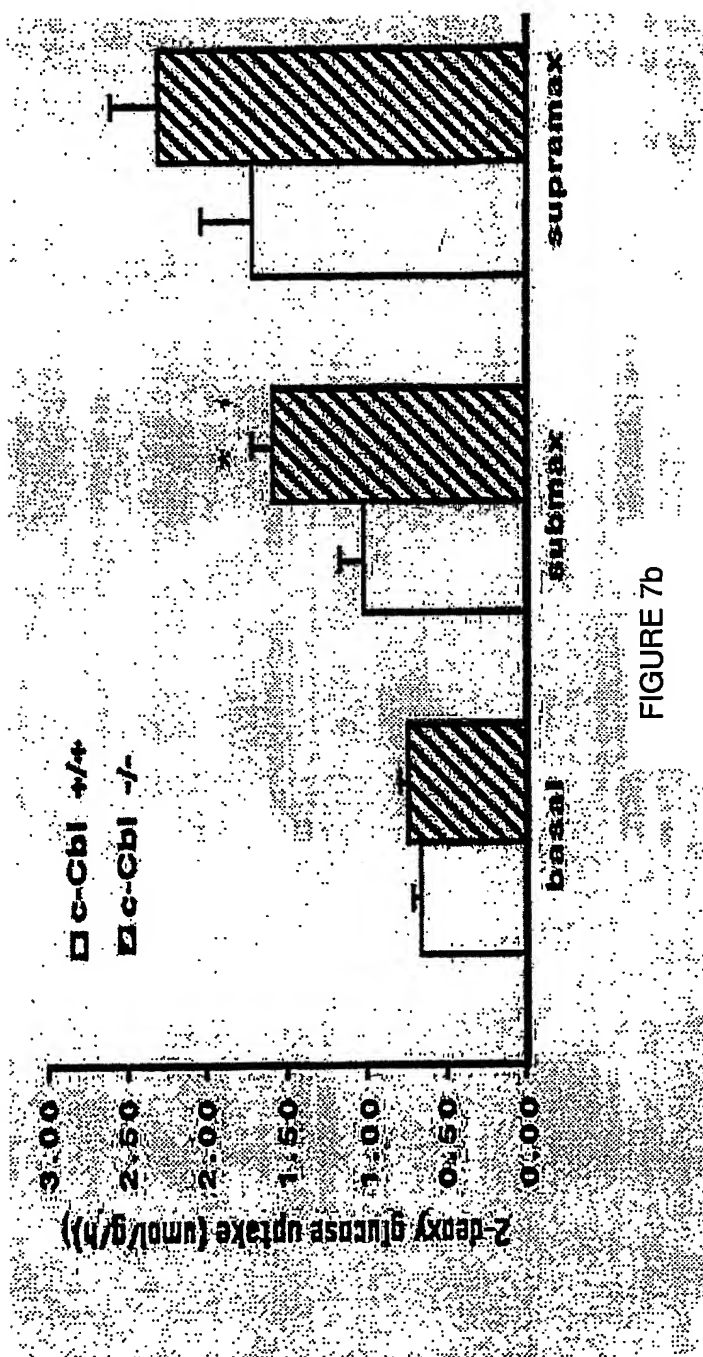


FIGURE 7a

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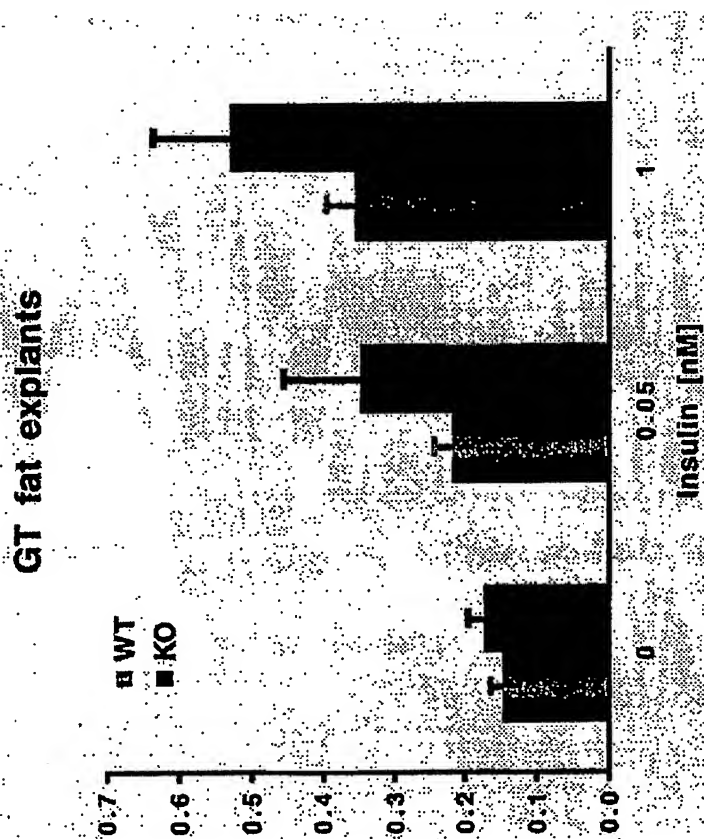


FIGURE 7c

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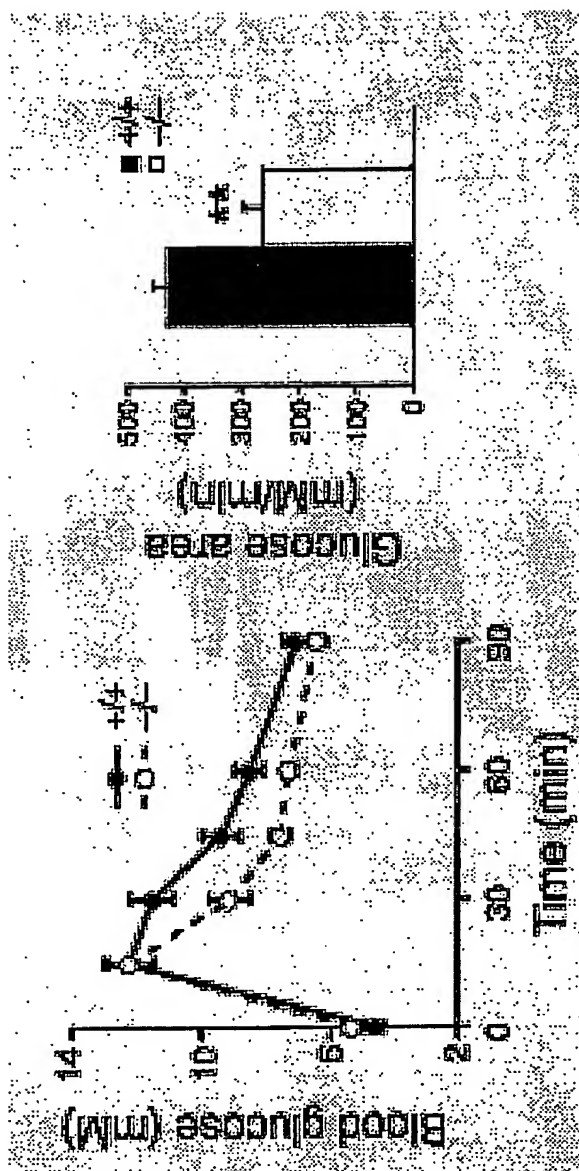


FIGURE 8a

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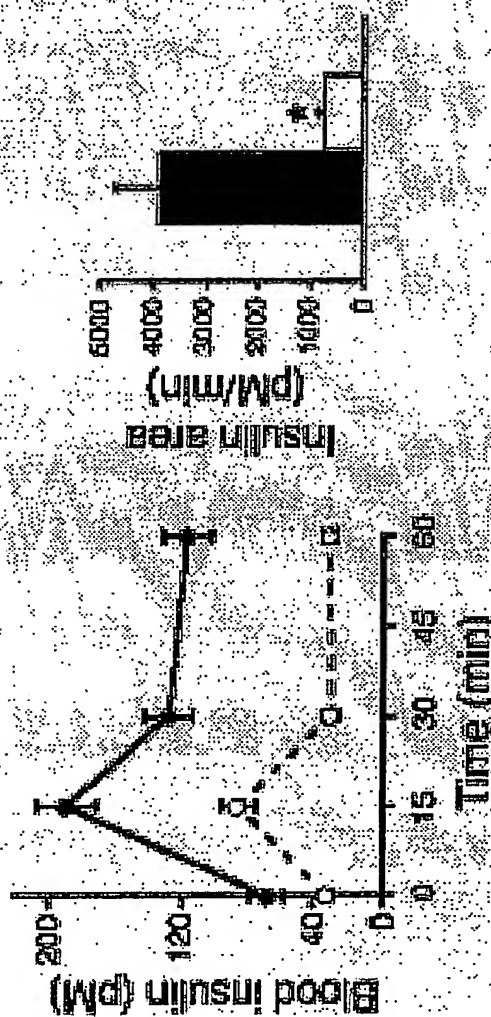


FIGURE 8b

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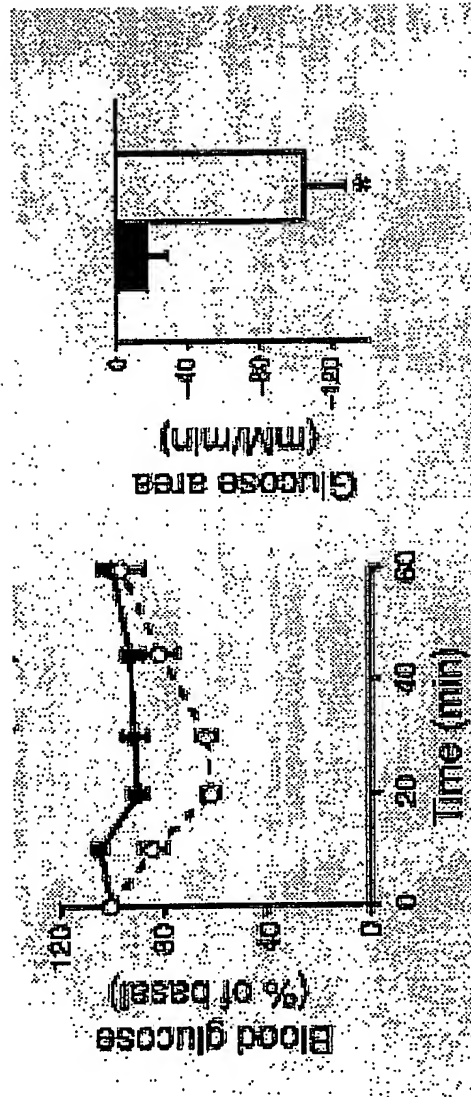


FIGURE 8c

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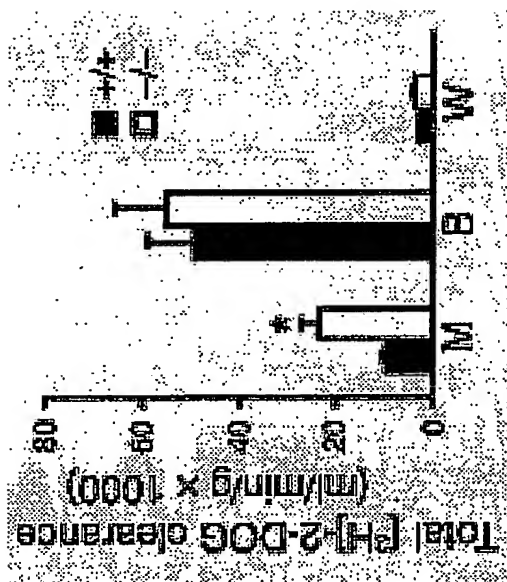


FIGURE 8d

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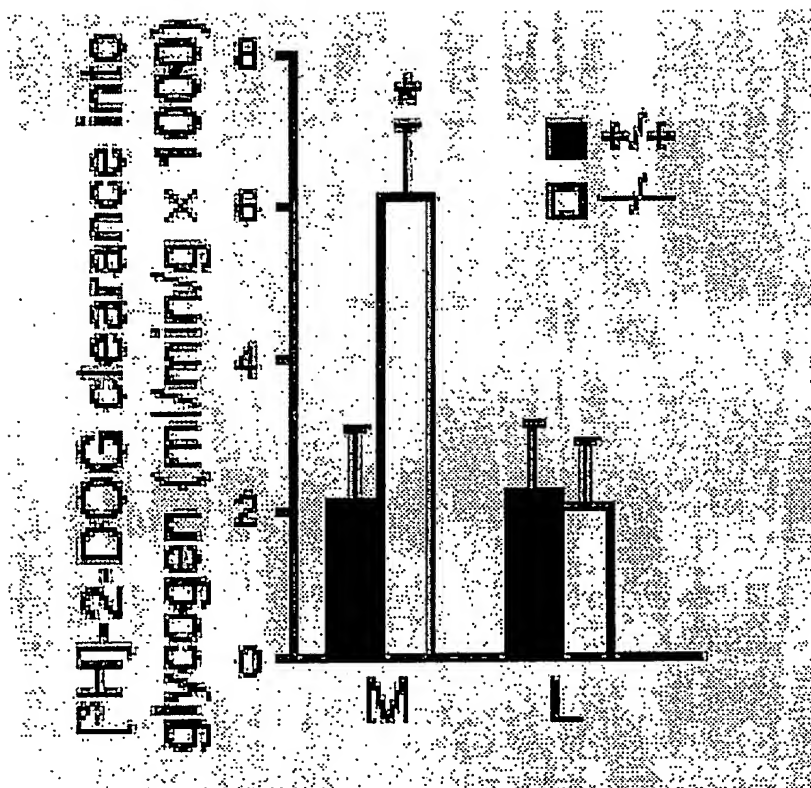


FIGURE 8e

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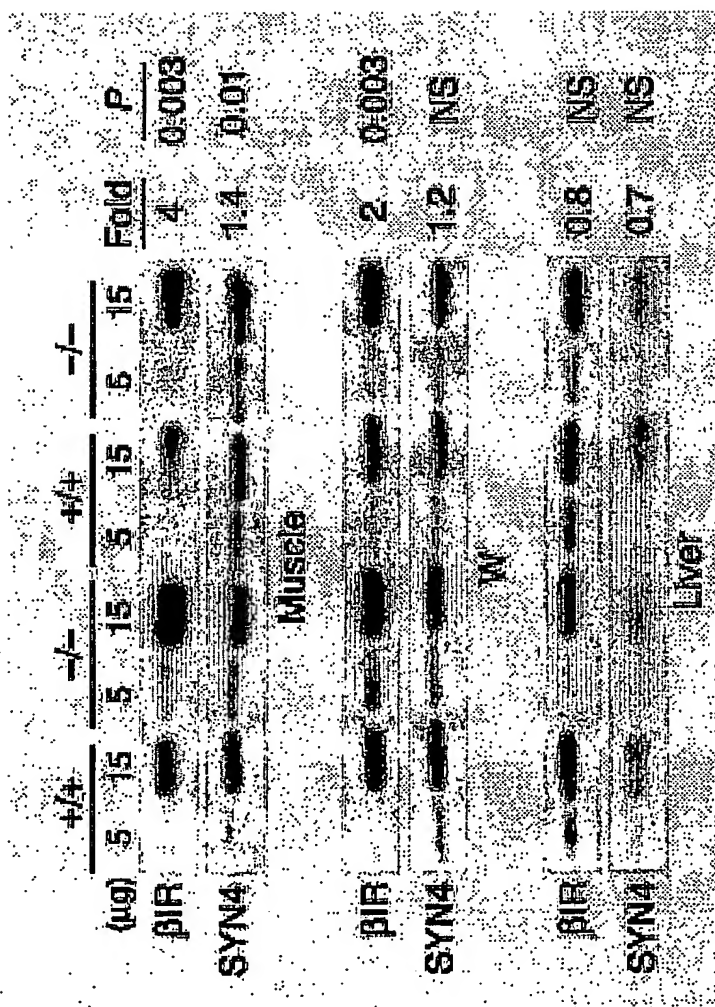


FIGURE 9

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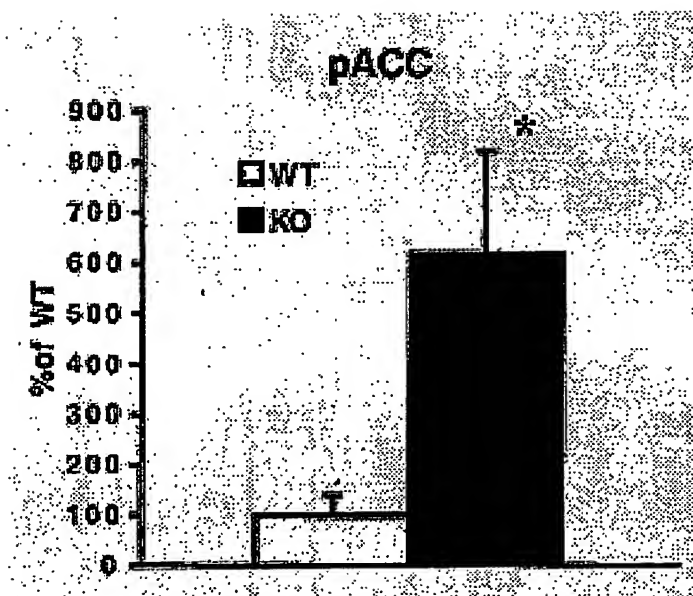


FIGURE 10a

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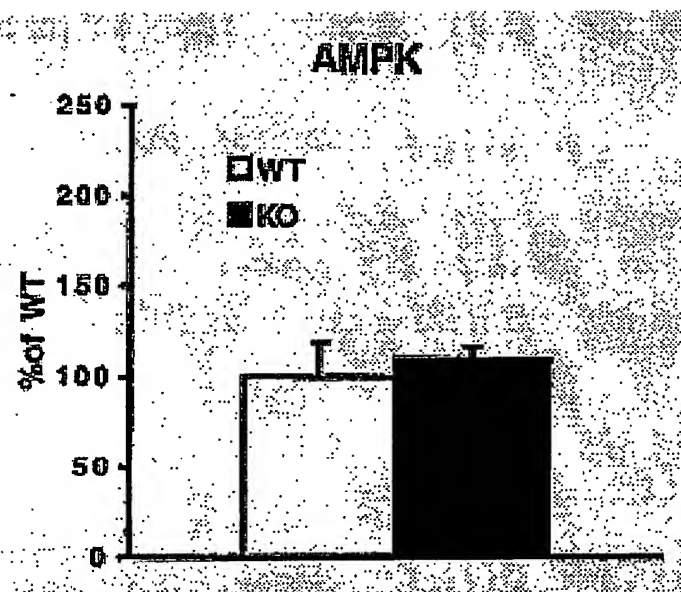


FIGURE 10b

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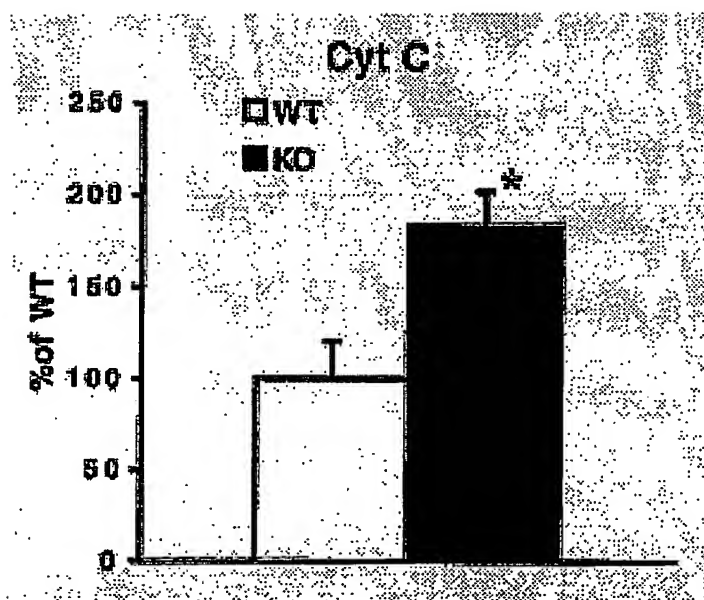


FIGURE 10c

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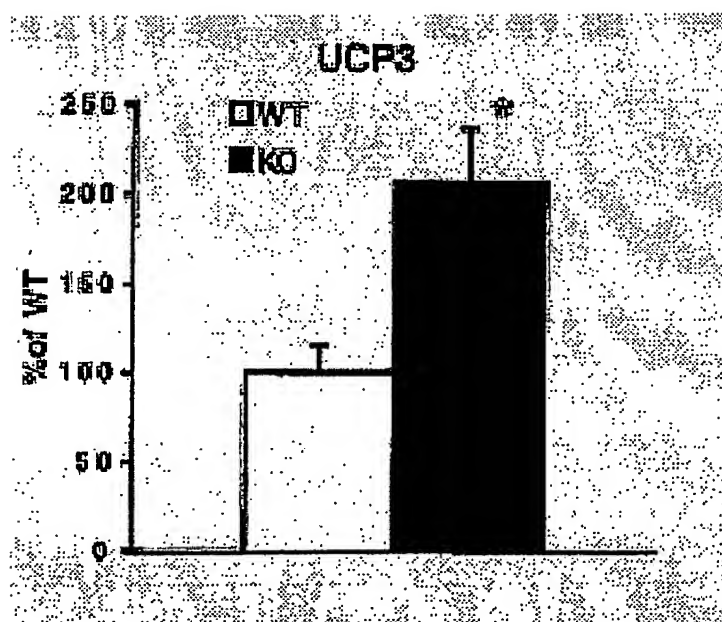


FIGURE 10d

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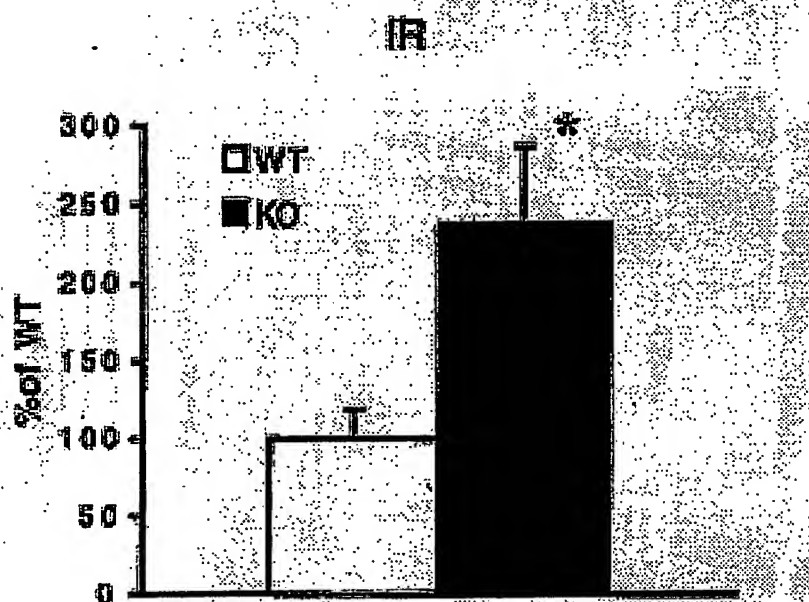


FIGURE 10e

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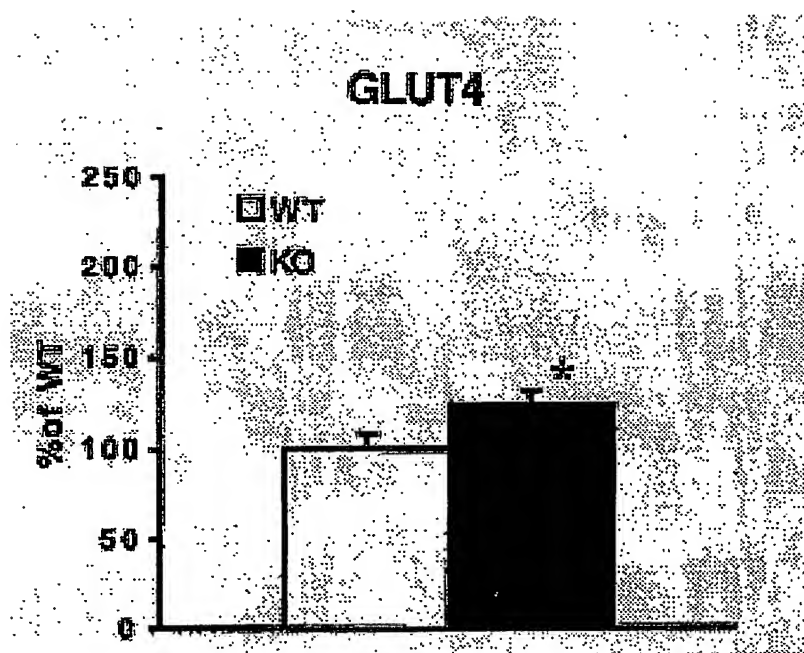


FIGURE 10f

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FIGURE 11a

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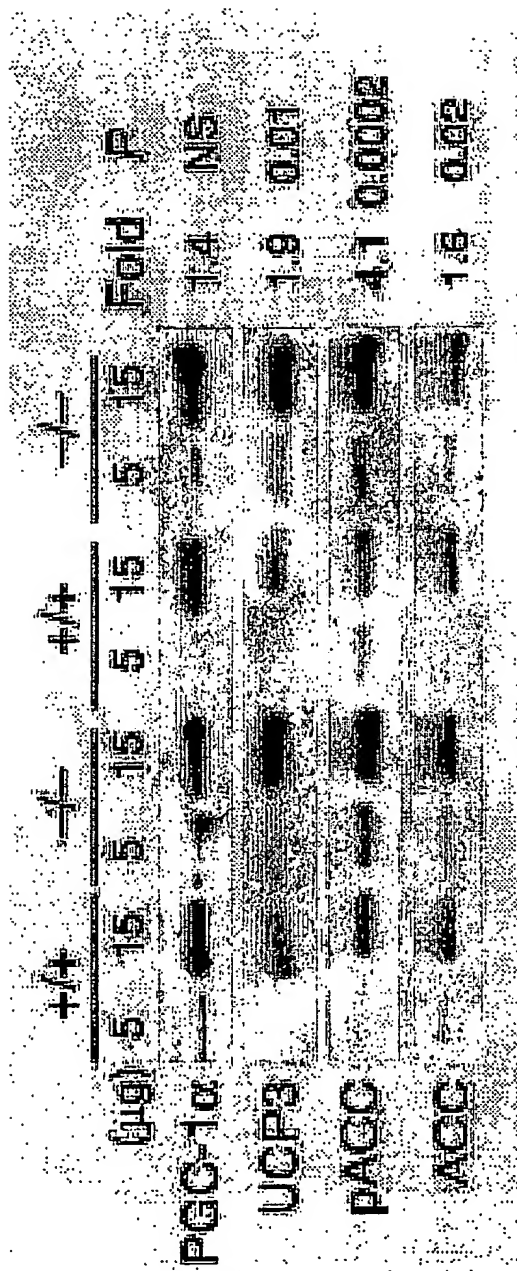


FIGURE 11b

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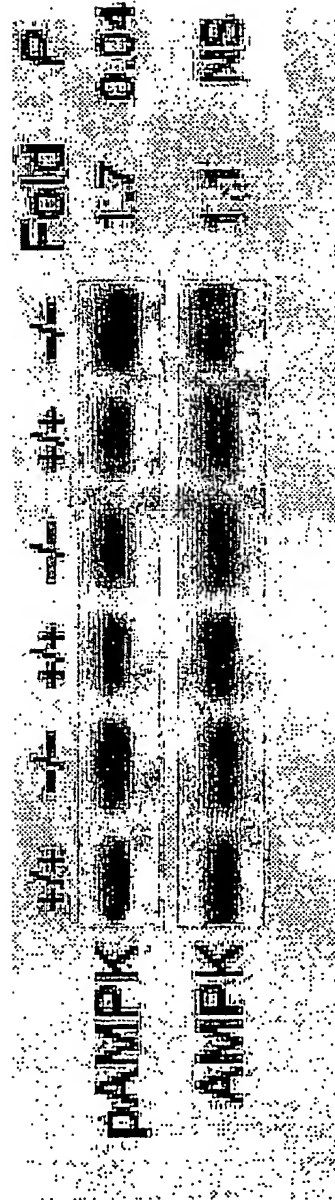


FIGURE 11c

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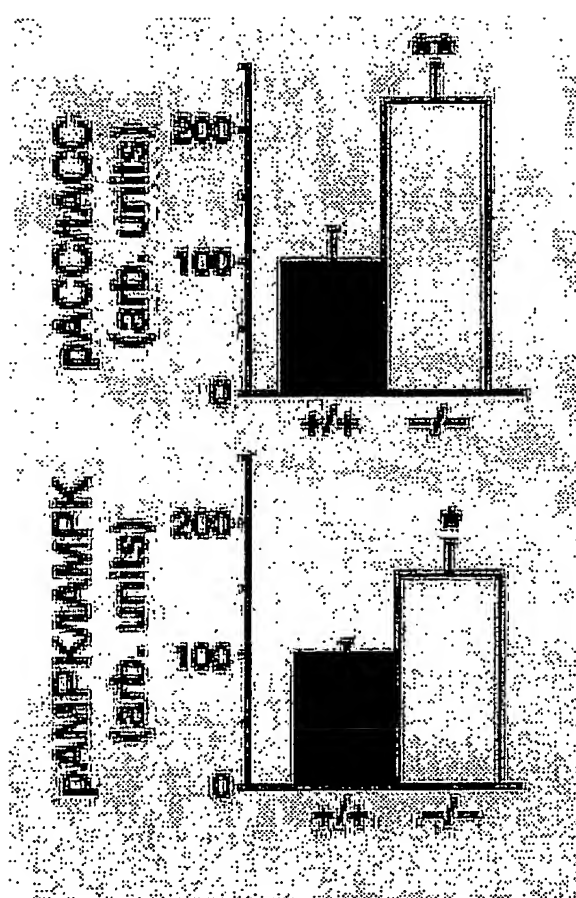


FIGURE 11d

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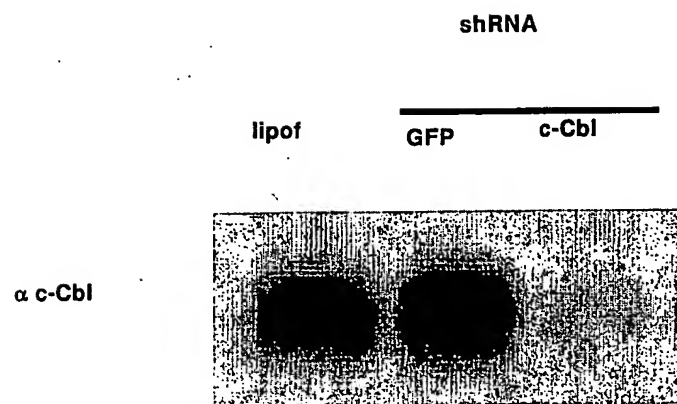


FIGURE 12a

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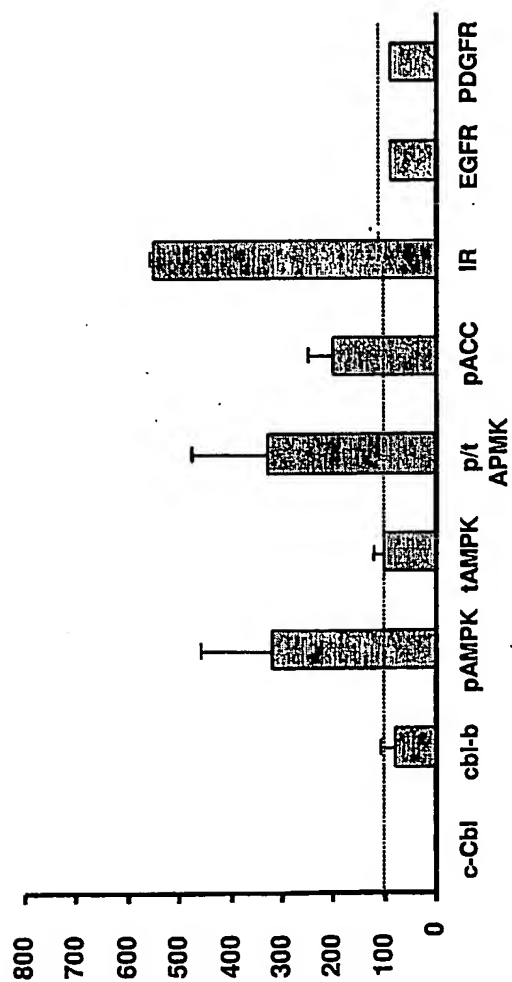


FIGURE 12b

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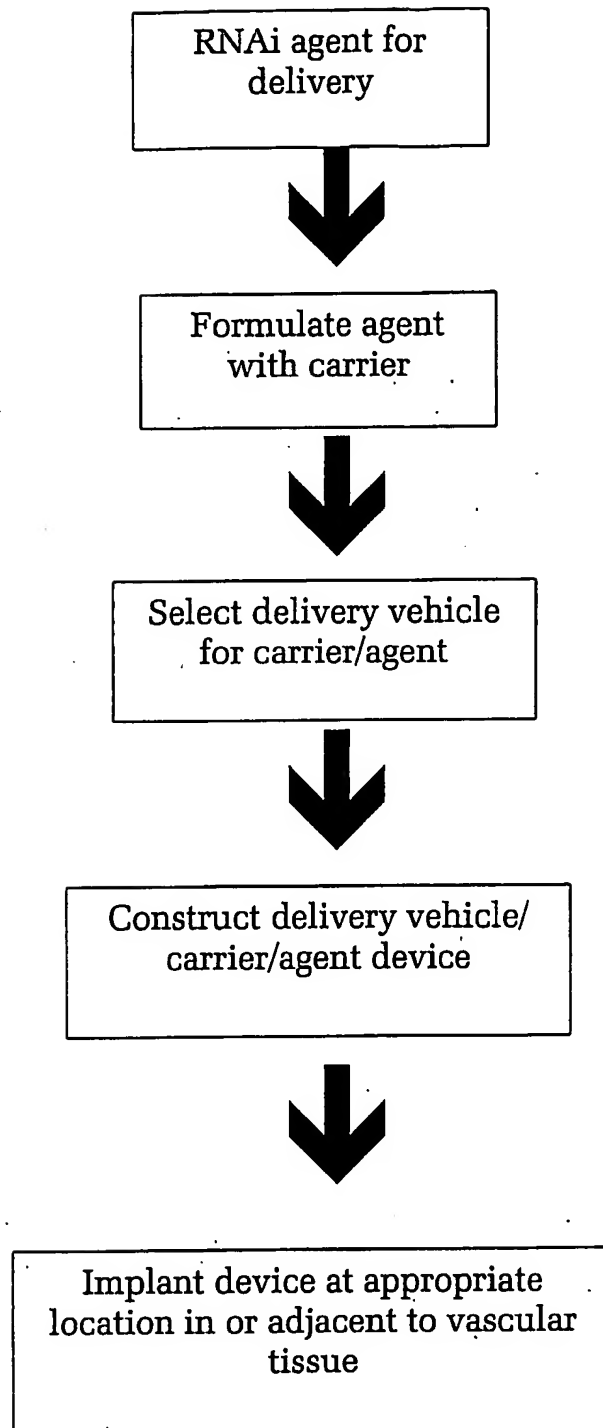


Figure 13

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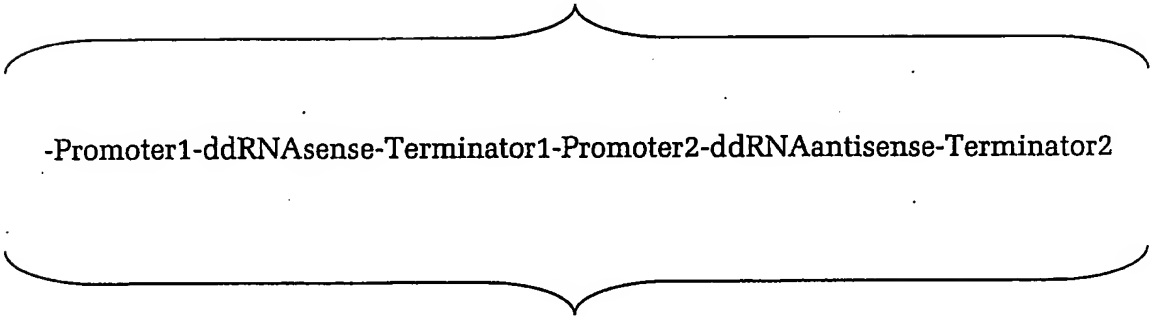


-Promoter-shRNA-Terminator-

10

Figure 14a

20



-Promoter1-ddRNA_{sense}-Terminator1-Promoter2-ddRNA_{antisense}-Terminator2

10

Figure 14b

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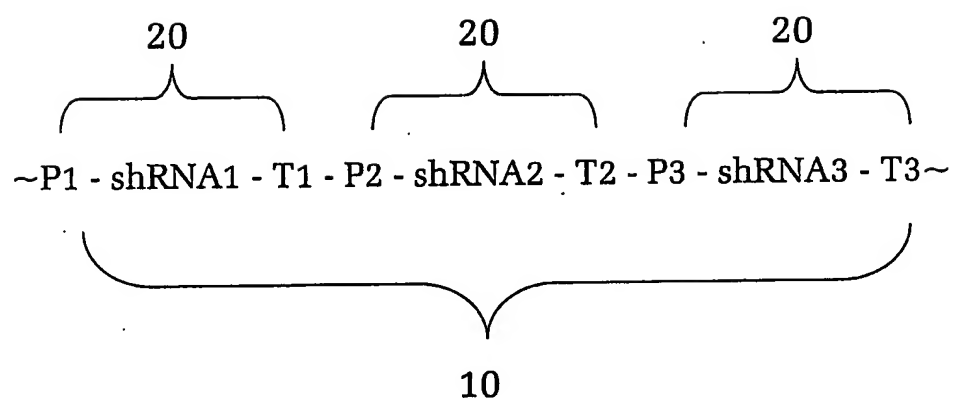


Figure 14c

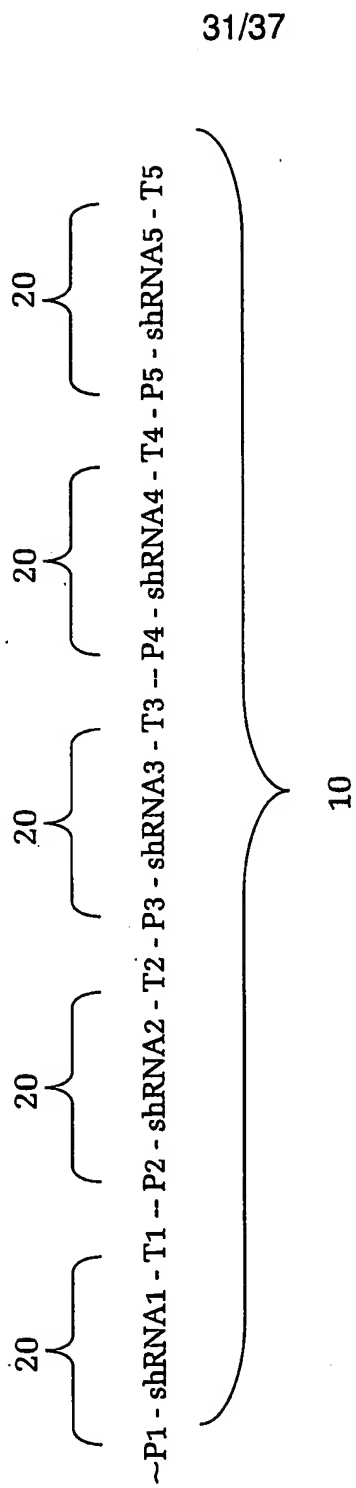


Figure 14d

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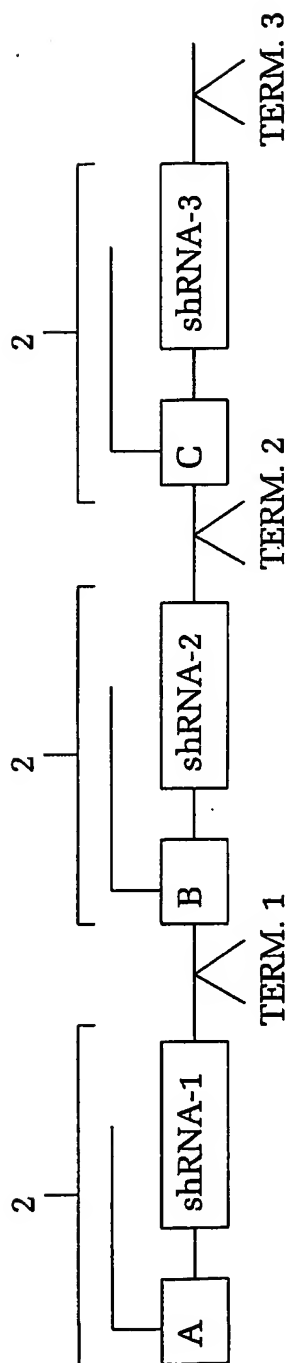


Figure 15a

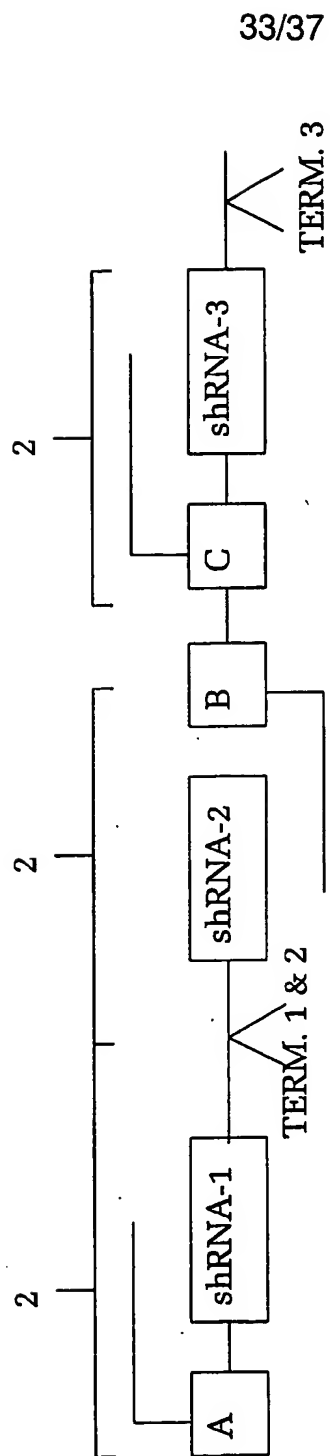


Figure 15b

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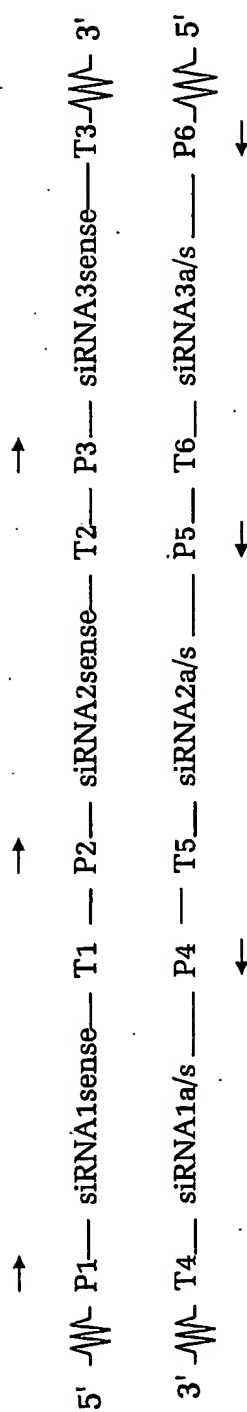


Figure 15c

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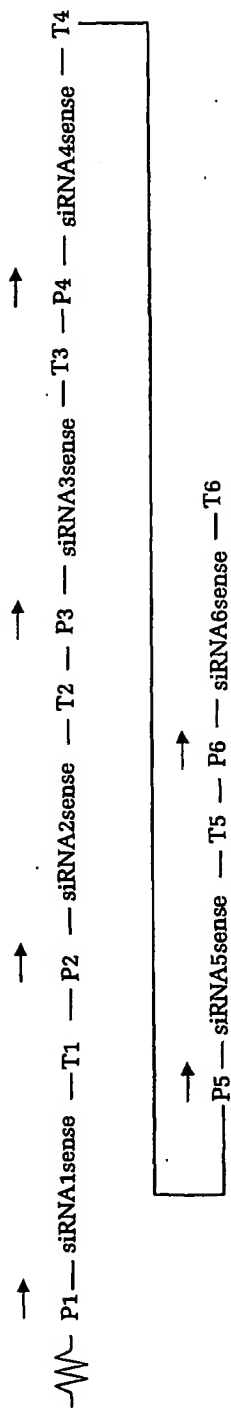


Figure 15d

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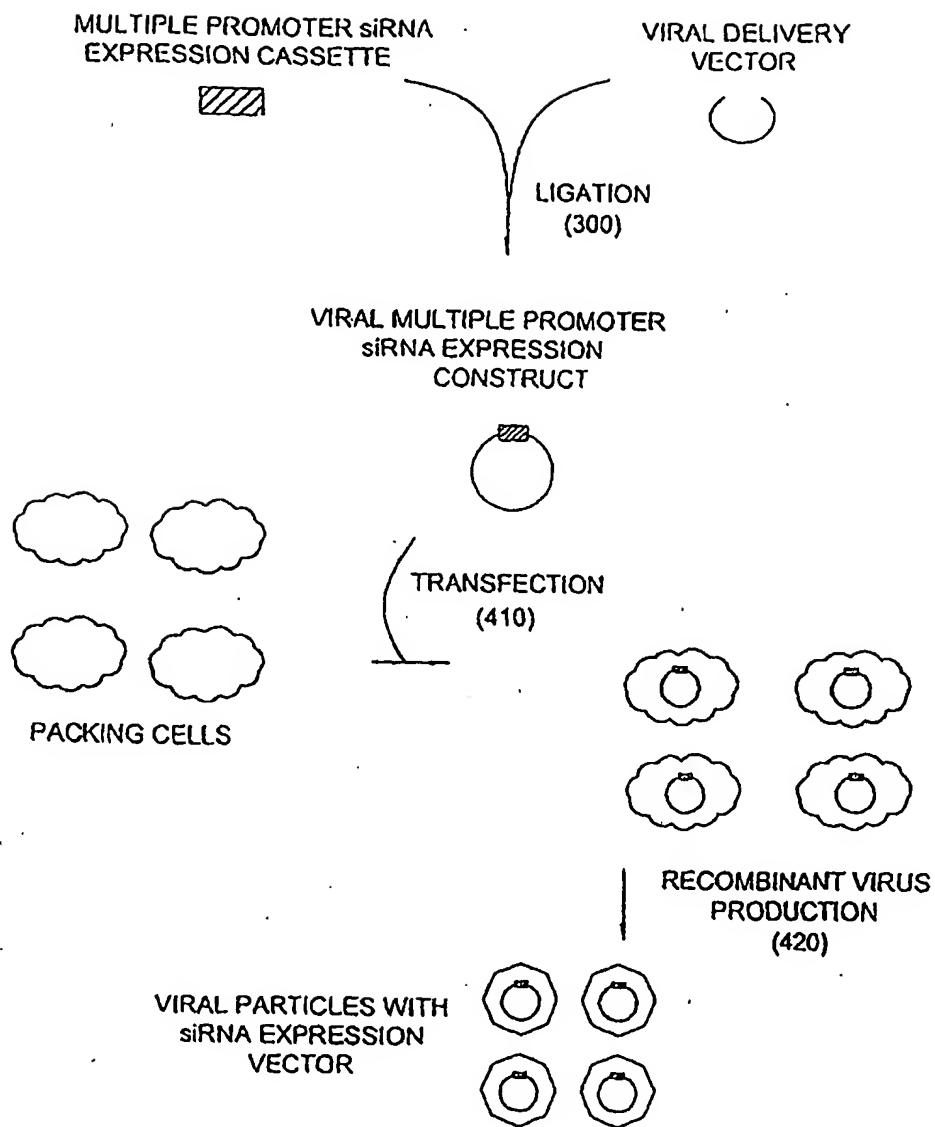


FIGURE 16a

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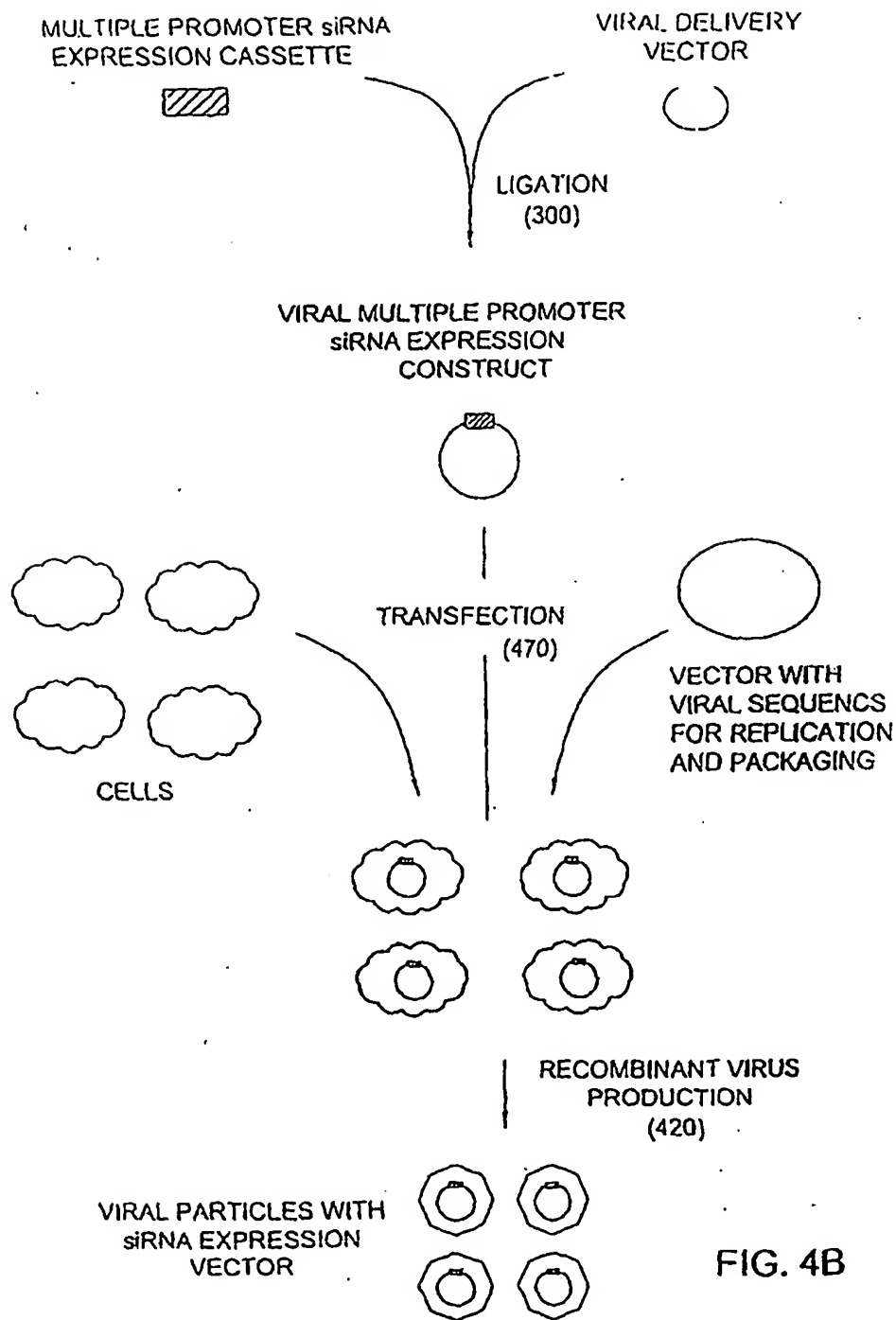


FIG. 4B

FIGURE 16b